

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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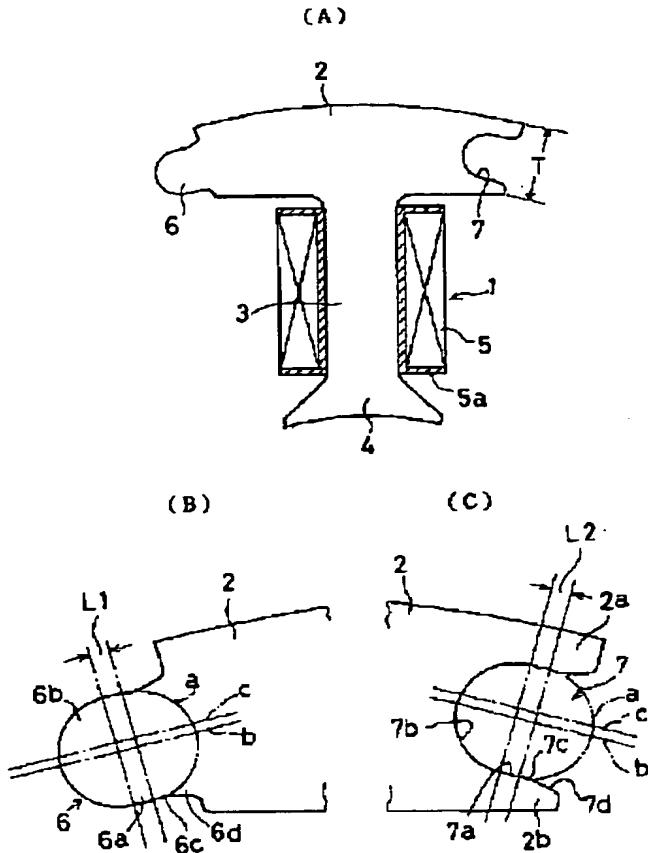
APPLICATION DATE : 22-02-96  
 APPLICATION NUMBER : 08035171

APPLICANT : HONDA MOTOR CO LTD;

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INT.CL. : H02K 1/18 H02K 1/14

TITLE : STATOR CORE



**ABSTRACT :** PROBLEM TO BE SOLVED: To prevent looseness between divided cores when a protrusion on one end of the yoke part of each divided core is fitted into a recessed trench on the other end of the yoke part of each adjacent divided core in the peripheral direction, for assembling.

SOLUTION: In the middle parts of a protrusion 6 and a recessed trench 7, straight parts 6a, 7a of constant width are formed which stretch in the normal direction of the end surfaces of a yoke part 2. Shoulder parts 6c, 7c which are a little narrower than the straight parts 6a, 7a are formed adjacently to the portions in the straight parts 6a, 7a which portions are adjacent to end surfaces of the yoke part 2. When the protrusion 6 is forcibly inserted into the recessed trench 7, from the normal direction, trench walls 2a, 2b on the outer diameter side of the trench 7 and the inner diameter side of the trench 7 are bent in the elastic range. In the state that the forcible insertion is finished, the straight part 6a and the shoulder part 6c of the protrusion 6 are elastically fastened by the straight part 7a and the shoulder part 7b of the recessed trench 7.

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